

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the **PATENT** of:

James A. Proctor, Jr.

**Patent No.:** 7,496,072

**Issued:** February 24, 2009

**Appln. No.:** 09/997,733

**Filed:** November 29, 2001

**Confirmation No.:** 4012

For: SYSTEM AND METHOD FOR  
CONTROLLING SIGNAL STRENGTH OVER  
A REVERSE LINK OF A CDMA WIRELESS  
COMMUNICATION SYSTEM

Our File: TAN-2-1403.06.US

Date: June 5, 2009

**REQUEST FOR CERTIFICATE OF CORRECTION**

Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

A Certificate of Correction under 35 U.S.C. §§ 254, 255 and 37 C.F.R. §§1.322, 1.323 is requested for U.S. Patent No. 7,496,072. Correction of the following errors is requested.

**Patentee:** James A. Proctor, Jr.  
**Patent No.:** 7,496,072

**ON THE FACE PAGE**

At section (56), U.S. PATENT DOCUMENTS, page 2, left column, after line beginning with “5,373,502”, delete “5,375,124 A 12/1994 D’Amrogio et al.” and insert therefor --5,375,124 A 12/1994 D’Ambrogio et al.--.

At section (56), U.S. PATENT DOCUMENTS, page 2, left column, after line beginning with “5,758,288”, delete “5,781,542 A \* 7/1998 Ault et al. ... 370/342” and insert therefor --5,781,542 A \* 7/1998 Tanaka et al. ... 370/342--.

At section (56), U.S. PATENT DOCUMENTS, page 2, right column, after line beginning with “6,031,827”, delete “6,049,535 A \* 4/2000 Ozukturk et al. ... 370/335” and insert therefor --6,049,535 A \* 4/2000 Ozluturk et al. ... 370/335--.

At section (56), U.S. PATENT DOCUMENTS, page 3, left column, delete line beginning with “6,504,830” and insert therefor --6,504,830 B1 1/2003 Östberg et al. ... 370/342--.

At section (56), U.S. PATENT DOCUMENTS, page 3, left column, delete line beginning with “2002/0012332”, and insert therefor --2002/0012332 A1 1/2002 Tiedemann et al.--.

At section (56), OTHER PUBLICATIONS, page 3, right column, delete line 2, and insert therefor --cations Networks, Jun. 18, 1995--.

**Patentee:** James A. Proctor, Jr.  
**Patent No.:** 7,496,072

At section (56), OTHER PUBLICATIONS, page 3, right column, delete line beginning with “#531-981-20814-95C” and insert therefor

--#531-981-20814-95C , part 2 on 3GPP2 website (ftp://ftp.3gpp2.org/--.

At section (56), OTHER PUBLICATIONS, page 4, at bottom of left column, insert

--Attachment 2, High Speed Data RLP Lucent Technologies, Version 0.1, January 16, 1997.

Azad et al., Multirate Spread Spectrum Direct Sequence CDMA Techniques, 1994, The Institute of Electrical Engineers.

Data Service Options for Wideband Spread Spectrum Systems. TIA/EIA Interim Standard. TIA/EIA/IS-707-A. April 1999.

Data Service Options for Wideband Spread Spectrum Systems: Introduction, PN-3676.1 (to be published as TIA/EIA/IS-707.1), March 20, 1997 (Content Revision 1).

Data Services Option Standard for Wideband Spread Spectrum Digital Cellular System. TIA/EIA/IS-99. TIA/EIA Interim Standard. July 1995.

Data Services Options Standard for Wideband Spread Spectrum Systems: Packet Data Services. PN-3676.5 (to be published as TIA/EIA/IS-707.5) Ballot Version, May 30, 1997.

Ejzak, et al. Proposal for High Speed Packet Data Service, Version 0.1. Lucent Technologies, January 16, 1997.

**Patentee:** James A. Proctor, Jr.  
**Patent No.:** 7,496,072

Heine, Gunnar, "The Air-Interface of GSM", in GSM Networks: Protocols, Terminology, and Implementation, (MA: Artech House, Inc.), pp. 89-100 (1999).

Honkasalo, Harri. High Speed Data Air Interface. 1996.

Introduction to cdma2000 Spread Spectrum Systems, Release C. TIA/EIA Interim Standard. TIA/EIA/IS-2000.1-C. May, 2002.

Knisely, Douglas, N. Telecommunications Industry Association Subcommittee TR-45.5 - Wideband Spread Spectrum Digital Technologies Standards. Banff, Alberta. February 24, 1997 (TR45.5/97.02.24)21.

Knisely, Douglas, N. Telecommunications Industry Association Subcommittee TR-45.5 - Wideband Spread Spectrum Digital Technologies Standards, Working Group III-Physical Layer. Banff, Alberta. February 24, 1997 (TR45.5/97.02.24)22.

Melanchuk et al.. CDPD and Emerging Digital Cellular Systems, Digest of Papers of COMPCN, Computer Society Conference 1996, Santa Clara, CA, no. CONF. 41, February 25, 1996, pp. 2-8, XP000628458.

Motorola, Version 1.0. Motorola High Speed Data Air Interface Proposal Comparisons and Recommendations. January 27, 1997.

MSC-BS Interface (A-Interface) for Public 800 MHz. TIA/EIA/IS-634-A. TIA/EIA Interim Standard (Revision of TIA/EIA/IS-634) July 1998.

MSC-BS Interface for Public 800 MHz. TIA/EIA/IS-634. TIA/EIA Interim Standard, December 1995.

**Patentee:** James A. Proctor, Jr.  
**Patent No.:** 7,496,072

Ott, David TR45.5, CDMA WBSS Technical Standards Meeting Summary. February 24-28, 1997 Banff, Alberta.

Ovesjö Frederik, European Telecommunication Standard, SMG2 UMTS Physical Layer Expert Group, "UTRA Physical Layer Descriptions FDD parts" (v0.4, 1998-06-25), pp. 1-41, XP-002141421.

Physical Layer Standard for cdma2000 Spread Spectrum Systems, Release C. TIA/EIA Interim Standard. TIA.EIA/IS-2000.2C. May, 2002.

Shacham, et al., "A Selective-Repeat-ARQ Protocol for Parallel Channels and Its Resequencing Analysis," IEEE Transactions On Communications, XP000297814, 40 (4): 773-782 (Apr. 1997).

Simpson, W. (Editor). "RFC 1661 - The Point-to-Point Protocol (PPP)." Network Working Group, July 1994, pgs. 1-35. <http://www.faqs.org/rfcs/rfc1661.html>.

Simpson, W. (Editor). "RFC 1662 - PPP in HDLC-Like Framing." Network Working Group, July 1994, pgs. 1-17. <http://www.faqs.org/rfcs/rfc1662.html>.

Stage 1 Service Description for Data Services - High Speed Data Services (Version 0.10) CDG RF 38. December 3, 1996.

Support for 14.4 kbps Data Rate and PCS Interaction for Wideband Spread Spectrum Cellular Systems. TSB74, December 1995. TIA/EIA Telecommunications Systems Bulletin.

Telecommunications Industry Association Meeting Summary. Task Group I, Working

**Patentee:** James A. Proctor, Jr.  
**Patent No.:** 7,496,072

Group III, Subcommittee TR45.5. February 24-27, 1997. Banff, Alberta.

Telecommunications Industry Association Meeting Summary. Task Group I, Working

Group III, Subcommittee TR45.5. January 6-8, 1997. Newport Beach, California.

Upper Layer (Layer 3) Signaling Standard for cdma2000 Spread Spectrum Systems,  
Release C. TIA/EIA Interim Standard. TIA/EIA/IS-2000.5-C. May, 2002.

WWW.CDG.ORG/NEWS/PRESS/1997.ASP. CDA Press Release Archive, 1997.--.

### **IN THE SPECIFICATION**

At column 2, line 21, after the word “Access” delete “(EDNA)” and insert therefor  
--(FDMA)--.

At column 3, delete lines 5-13, and insert therefor  
--In addition, the existing CDMA system requires certain operations before a channel  
can be used. Both access and traffic channels are modulated by so-called long code  
pseudonoise (PN) sequences; therefore, in order for the receiver to work properly it  
must first be synchronized with the transmitter. The setting up and tearing down of  
channels therefore requires overhead to perform such synchronization. This overhead  
results in a noticeable delay to the user of the subscriber unit.--.

At column 5, line 57, after the word “standard” delete “ISON” and insert therefor  
--ISDN--.

At column 6, line 58, before the word “these” delete “bands” and insert therefor  
--band--.

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At column 9, line 47, after “**400**,” delete “to” and insert therefor --or--.

**IN THE CLAIMS**

At claim 1, column 10, line 17, before the words “at least” insert --control--.

At claim 6, column 10, line 50, before the words “no data” delete “there is”.

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**REMARKS**

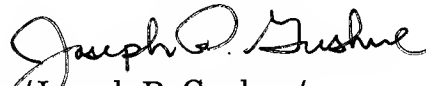
Patentees believe that the above errors are of such a nature as to justify the issuance of a Certificate of Correction. Patentees have enclosed a completed Certificate of Correction Form PTO/SB/44.

Since at least one of the errors was caused by Applicants, please charge the surcharge fee pursuant to C.F.R. §1.20(a) of \$100.00 to the Deposit Account of InterDigital Communications Corporation, Deposit Account No. 09-0435.

Patentees respectfully request that the Certificate of Correction be issued.

Respectfully submitted,

James A. Proctor, Jr.

  
By Joseph P. Gushue/  
Joseph P. Gushue  
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JPG/emb



FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)	ATTY. DOCKET NO. TAN-2-1403.06.US	SERIAL NO. 09/997,733
	APPLICANT James A. Proctor, Jr.	
	FILING DATE November 29, 2001	GROUP 2619

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/V.H.		4,107,469	08/1978	Jenkins			
		4,577,316	03/1986	Schiff			
		4,625,308	11/1986	Kim et al.			
		4,675,863	06/1987	Paneth et al.			
		4,817,089	03/1989	Paneth et al.			
		4,841,526	06/1989	Wilson et al.			
		4,862,453	08/1989	West et al.			
		4,866,709	09/1989	West et al.			
		4,912,705	03/1990	Paneth et al.			
		4,949,395	08/1990	Rydbeck			
		5,022,024	06/1991	Paneth et al.			
		5,027,348	06/1991	Curry			
		5,027,400	06/1991	Baji et al.			
		5,068,916	11/1991	Harrison et al.			
		5,101,416	03/1992	Fenton et al.			
		5,103,459	04/1992	Gilhousen et al.			
		5,114,375	05/1992	Wellhausen et al.			
		5,115,309	05/1992	Hang			
		5,226,044	07/1993	Gupta et al.			
		5,268,900	12/1993	Hluchyj et al.			
		5,282,222	01/1994	Fattouche et al.			
		5,325,419	06/1994	Connolly et al.			
		5,353,332	10/1994	Raith et al.			
		5,355,374	11/1994	Hester et al.			
		5,373,502	12/1994	Turban			

EXAMINER /Venkatesh Haliyur/	DATE CONSIDERED 09/17/2008
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<p>FORM PTO-1449</p> <p>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use several sheets if necessary)</p>	<p>ATTY. DOCKET NO. TAN-2-1403.06.US</p>	<p>SERIAL NO. 09/997,733</p>
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/V.H./		5,375,124	12/1994	D'Ambrogio, et al.			
		5,388,102	02/1995	Griffith et al.			
		5,394,473	02/1995	Davidson			
		5,412,429	05/1995	Glover			
		5,414,728	05/1995	Zehavi			
		5,442,625	08/1995	Gitlin et al.			
		5,446,727	08/1995	Bruckert et al.			
		5,463,629	10/1995	Ko			
		5,471,463	11/1995	Hulbert			
		5,481,533	01/1996	Honig et al.			
		5,490,136	02/1996	Serenio et al.			
		5,511,068	04/1996	Sato			
		5,559,789	09/1996	Nakano et al.			
		5,581,575	12/1996	Zehavi et al.			
		5,585,850	12/1996	Schwaller			
		5,586,119	12/1996	Scribano et al.			
		5,590,409	12/1996	Sawahashi et al.			
		5,592,470	01/1997	Rudrapatna et al.			
		5,592,471	01/1997	Briskman			
		5,598,416	01/1997	Yamada et al.			
		5,606,580	02/1997	Mourot et al. <sup>1</sup>			
		5,617,423	04/1997	Li et al.			
		5,619,492	04/1997	Press et al.			
		5,619,524	04/1997	Ling et al.			
		5,642,348	06/1997	Barzegar et al.			

1 Corresponds to EP 0635949

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/V.H./	5,642,377	06/1997	Chung et al.			
	5,655,001	08/1997	Cline et al.			
	5,657,358	08/1997	Panech et al.			
	5,663,958	09/1997	Ward			
	5,663,990	09/1997	Bolgiano et al.			
	5,673,259	09/1997	Quick, Jr.			
	5,687,194	11/1997	Paneth et al.			
	5,689,502	11/1997	Scott			
	5,697,059	12/1997	Carney			
	5,699,364	12/1997	Sato et al.			
	5,708,656	01/1998	Noneman et al.			
	5,734,646	03/1998	I et al.			
	5,742,592	04/1998	Scholefield et al.			
	5,745,484	04/1998	Scott			
	5,758,288	05/1998	Dunn et al.			
	5,781,542	07/1998	Tanaka et al.			
	5,781,543	07/1998	Ault et al.			
	5,784,406	07/1998	DeJaco et al.			
	5,790,549	08/1998	Dent			
	5,790,551	08/1998	Chan			
	5,793,744	08/1998	Kanerva et al.			
	5,802,046	09/1998	Scott			
	5,802,465	09/1998	Hamalainen et al.			
	5,812,131	09/1998	Bertram			
	5,825,807	10/1998	Kumar			
	5,828,659	10/1998	Teder et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/V.H./	5,828,662	10/1998	Jalali et al.			
	5,841,768	11/1998	Ozluturk et al.			
	5,844,894	12/1998	Dent			
	5,845,211	12/1998	Roach			
	5,854,786	12/1998	Henderson et al.			
	5,856,971	01/1999	Gitlin et al.			
	5,859,840	01/1999	Tiedemann, Jr. et al.			
	5,859,879	01/1999	Bolgiano et al.			
	5,872,786	02/1999	Shobatake			
	5,881,060	03/1999	Morrow et al.			
	5,881,368	03/1999	Grob et al.			
	5,884,196	03/1999	Lekven et al.			
	5,894,473	04/1999	Dent			
	5,896,376	04/1999	Alperovich et al.			
	5,898,929	04/1999	Haartsen			
	5,910,944	06/1999	Callicotte et al.			
	5,910,945	06/1999	Garrison et al.			
	5,914,950	06/1999	Tiedemann, Jr. et al.			
	5,923,650	07/1999	Chen et al.			
	5,930,230	07/1999	Odenwalder et al.			
	5,950,131	09/1999	Vilmur			
	5,956,332	09/1999	Rasanen et al.			
	5,959,980	09/1999	Scott			
	5,966,374	10/1999	Rasanen			
	5,991,279	11/1999	Haugli et al.			
	6,001,800	12/1999	Mehta et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/V.H./	6,002,690	12/1999	Takayama et al.			
	6,005,855	12/1999	Zehavi et al.			
	6,009,106	12/1999	Rustad et al.			
	6,011,800	01/2000	Nadgauda et al.			
	6,016,312	01/2000	Storn et al.			
	6,028,868	02/2000	Yeung et al.			
	6,031,827	02/2000	Rikkinen et al.			
	6,049,535	04/2000	Ozluturk			
	6,049,538	04/2000	Scott			
	6,052,385	04/2000	Kanerva et al.			
	6,058,338	05/2000	Agashe et al.			
	6,064,678	05/2000	Sindhushayana et al.			
	6,069,880	05/1999	Owen et al.			
	6,069,883	05/2000	Ejzak et al.			
	6,078,572	06/2000	Tanno et al.			
	6,081,536	06/2000	Gorsuch et al.			
	6,088,335	07/2000	I et al.			
	6,094,421	07/2000	Scott			
	6,094,576	07/2000	Häkkinen et al.			
	6,097,733	08/2000	Basu et al.			
	6,101,176	08/2000	Honkasalo et al.			
	6,104,708	08/2000	Bergamo			
	6,111,863	08/2000	Rostoker et al.			
	6,112,092	08/2000	Benveniste			
	6,134,233	10/2000	Kay			
	6,151,332	11/2000	Gorsuch et al.			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/V.H./		6,157,619	12/2000	Ozluturk et al.			
		6,161,013	12/2000	Anderson et al.			
		6,163,707	12/2000	Miller			
		6,169,731	01/2001	Stewart et al.			
		6,196,362	02/2001	Darcie et al.			
		6,198,723	03/2001	Parruck et al.			
		6,208,871	03/2001	Hall et al.			
		6,212,175	04/2001	Harsch			
		6,214,342	04/2001	Rege			
		6,215,798	04/2001	Carneheim et al.			
		6,222,828	04/2001	Ohlson et al.			
		6,222,832	04/2001	Proctor			
		6,226,527	05/2001	Dalsgaard et al.			
		6,233,439	05/2001	Jalali			
		6,236,647	05/2001	Amalfitano			
		6,243,372	06/2001	Petch et al.			
		6,246,673	06/2001	Tiedmann et al.			
		6,259,683	07/2001	Sekine et al.			
		6,262,980	07/2001	Leung et al.			
		6,263,013	07/2001	Hendrickson			
		6,269,075	07/2001	Tran			
		6,269,088	07/2001	Masui et al.			
		6,272,168	08/2001	Lomp et al.			
		6,285,665	09/2001	Chuah			
		6,307,840	10/2001	Wheatley III et al.			
		6,310,859	10/2001	Morita et al.			

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	<b>APPLICANT</b> James A. Proctor, Jr.	
	<b>FILING DATE</b> November 29, 2001	<b>GROUP</b> 2619

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/V.H./	6,353,412	03/2002	Soliman			
	6,356,555	03/2002	Rakib			
	6,366,570	04/2002	Bhagalia			
	6,366,786	04/2002	Norman et al.			
	6,370,117	04/2002	Koraitim et al.			
	6,373,830	04/2002	Ozluturk			
	6,373,834	04/2002	Lundh et al.			
	6,377,548	04/2002	Chuah			
	6,377,809	04/2002	Rezaifar et al.			
	6,388,999	05/2002	Gorsuch et al.			
	6,389,000	05/2002	Jou			
	6,396,804	05/2002	Odenwalder			
	6,418,148	07/2002	Kumar et al.			
	6,452,913	09/2002	Proctor, Jr.			
	6,456,608	09/2002	Lomp			
	6,469,991	10/2002	Chuah			
	6,473,623	10/2002	Benveniste			
	6,498,785	12/2002	Derryberry et al.			
	6,498,790	12/2002	Shaheen et al.			
	6,504,830	01/2003	Östberg et al.			
	6,519,452	02/2003	Agostino et al.			
	6,519,651	02/2003	Dillon			
	6,526,039	02/2003	Dahlman et al.			
	6,526,064	02/2003	Bousquet2			
	6,526,281	02/2003	Gorsuch et al.			

2 Corresponds to FR 2761557

<b>EXAMINER</b> /Venkatesh Haliyur/	<b>DATE CONSIDERED</b> 09/17/2008
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM PTO-1449</b>  <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)	<b>ATTY. DOCKET NO.</b> TAN-2-1403.06.US	<b>SERIAL NO.</b> 09/997,733
	<b>APPLICANT</b> James A. Proctor, Jr.	
	<b>FILING DATE</b> November 29, 2001	<b>GROUP</b> 2619

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/V.H./	6,532,365	03/2003	Anderson et al.			
	6,542,481	04/2003	Foore et al.			
	6,545,986	04/2003	Stellakis			
	6,545,994	04/2003	Nelson et al.			
	6,567,416	05/2003	Chuah			
	6,570,865	05/2003	Masui et al.			
	6,571,296	05/2003	Dillon			
	6,574,211	06/2003	Padovani et al.			
	6,597,913	07/2003	Natarajan			
	6,687,509	02/2004	Schmutz et al.			
	6,745,484	04/1998	Scott			
	6,768,727	07/2004	Sourour et al.			
	6,795,416	09/2004	Han et al.			
	6,831,910	12/2004	Moon et al.			
	2001/0038674	11/2001	Trans			
	2002/0012332	05/2002	Tiedmann et al.			
	2003/0060224	03/2003	Nelson et al.			
	2003/0123401	07/2003	Dean			
	2004/0009785	01/2004	Nelson et al.			
	2004/0160910	08/2004	Gorsuch et al.			
	2004/0180696	09/2004	Foore et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
/V.H./	443061	08/1991	EP				
/V.H./	526106	02/1993	EP				

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
/V.H./	682423	11/1995	EP				
	682426	11/1995	EP				
	719062	06/1996	EP				
	720309	12/1995	EP				
	2326524	12/1998	GB				
	95/08900	03/1995	WO				
	96/08934	03/1996	WO				
	96/27994	12/1996	WO				
	96/37081	11/1996	WO				
	97/23073	06/1997	WO				
	97/26726	07/1997	WO				
	97/32412	09/1997	WO				
	97/46044	12/1997	WO				
	99/31811	06/1999	WO				
	99/52306	10/1999	WO				
V	99/63682	12/1999	WO				

## OTHER DOCUMENTS

EXAMINER INITIAL	DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
/V.H./	Attachment 2, <i>High Speed Data RLP</i> Lucent Technologies, Version 0.1, January 16, 1997.
/V.H./	Azad et al., Multirate Spread Spectrum Direct Sequence CDMA Techniques, 1994, The Institute of Electrical Engineers.
/V.H./	Bell Labs Technical Journal, Lucent Technologies, Volume 2, Number 3, Summer 1997.

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	<p>FILING DATE November 29, 2001</p>	<p>GROUP 2619</p>

EXAMINER INITIAL	DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
/V.H./	Budka et al., Cellular Digital Packet Data Networks, Bell Labs Technical Journal, Summer 1997, Pages 164-181.
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	Chih-Lin I et al., IS-95 Enhancements for Multimedia Services, Bell Labs Technical Journal, Pages 60-87, Autumn 1996.
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	<i>Data Service Options for Wideband Spread Spectrum Systems. TIA/EIA Interim Standard. TIA/EIA/IS-707-A. April 1999.</i>
	<i>Data Service Options for Wideband Spread Spectrum Systems: Introduction, PN-3676. 1 (to be published as TIA/EIA/IS-707.1), March 20, 1997 (Content Revision 1).</i>
	<i>Data Services Option Standard for Wideband Spread Spectrum Digital Cellular System. TIA/EIA/IS-99. TIA/EIA Interim Standard. July 1995.</i>
↓	<i>Data Services Options Standard for Wideband Spread Spectrum Systems: Packet Data Services. PN-3676.5 (to be published as TIA/EIA/IS-707.5) Ballot Version, May 30, 1997.</i>

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EXAMINER INITIAL	DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
/V.H./	Data Standard, Packet Data Section, PN-3676.5 (to be published as TIA/EIA/IS-DATA.5), December 8, 1996, Version 02 (Content Revision 03).
	Draft Text for "95C" Physical Layer (Revision 4), Part 1, Document #531-981-20814-95C, Part 1 on 3GPP2 website ( <a href="ftp://ftp.3gpp2.org/tsgc/working/1998/1298_Maui/WG3-TG1/531-98120814-95c,%20part%201.pdf">ftp://ftp.3gpp2.org/tsgc/working/1998/1298_Maui/WG3-TG1/531-98120814-95c,%20part%201.pdf</a> ).
	Draft Text for "95C" Physical Layer (Revision 4), Part 2, Document #531-981-20814-95C, part 2 on 3GPP2 website ( <a href="ftp://ftp.3gpp2.org/tsgc/working/1998/1298_Maui/WG3-TG1/531-98120814-95c,%20part%202.pdf">ftp://ftp.3gpp2.org/tsgc/working/1998/1298_Maui/WG3-TG1/531-98120814-95c,%20part%202.pdf</a> , 1998).
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EXAMINER INITIAL	DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
/V.H./	Honkasalo, Harri. <i>High Speed Data Air Interface</i> . 1996.
	<i>Introduction to cdma2000 Spread Spectrum Systems, Release C</i> . TIA/EIA Interim Standard. TIA/EIA/IS-2000.1-C. May, 2002.
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/V.H./	Melanchuk et al. <i>CDPD and Emerging Digital Cellular Systems</i> , Digest of Papers of COMPCN, Computer Society Conference 1996, Santa Clara, CA, no. CONF. 41, February 25, 1996, pp. 2-8, XP000628458.
	Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular System, TIA Interim Standard, TIA/EIA/IS-95-A (Addendum to TIA/EIA/IS-95), May 1995.
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/V.H./	Reed et al., Iterative Multiuser Detection for CDMA with FEC: Near-Single-User Performance, IEEE Transactions on Communications, Vol. 46, No. 12, December 1998, Pages 1693-1699.
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	Viterbi, The Path to Next Generation Services with CDMA, Qualcomm Incorporated, 1998 CDMA Americas Congress, Los Angeles, California, November 19, 1998.
✓	Wang et al., The Performance of Turbo-Codes in Asynchronous DS-CDMA, IEEE Global Communications Conference, Phoenix, Arizona, USA, November 3-8, 1997, Vol. III, Pages 1548-1551.

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	<p>FILING DATE November 29, 2001</p>	<p>GROUP 2619</p>

EXAMINER INITIAL		DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
/V.H./		<p><u>WWW.CDG.ORG/NEWS/PRESS/1997.ASP. CDA Press Release Archive, 1997.</u></p>

09/17/2008

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**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**Page 1 of 5

PATENT NO. : 7,496,072

APPLICATION NO.: 09/997,733

ISSUE DATE : February 24, 2009

INVENTOR(S) : James A. Proctor Jr.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**ON THE FACE PAGE**

At section (56), U.S. PATENT DOCUMENTS, page 2, left column, after line beginning with "5,373,502", delete "5,375,124 A 12/1994 D'Amrogio et al." and insert therefor --5,375,124 A 12/1994 D'Ambrogio et al.--.

At section (56), U.S. PATENT DOCUMENTS, page 2, left column, after line beginning with "5,758,288", delete "5,781,542 A \* 7/1998 Ault et al. ... 370/342" and insert therefor --5,781,542 A \* 7/1998 Tanaka et al. ... 370/342--.

At section (56), U.S. PATENT DOCUMENTS, page 2, right column, after line beginning with "6,031,827", delete "6,049,535 A \* 4/2000 Ozukturk et al. ... 370/335" and insert therefor --6,049,535 A \* 4/2000 Ozluturk et al. ... 370/335--.

At section (56), U.S. PATENT DOCUMENTS, page 3, left column, delete line beginning with "6,504,830" and insert therefor --6,504,830 B1 1/2003 Östberg et al. ... 370/342--.

At section (56), U.S. PATENT DOCUMENTS, page 3, left column, delete line beginning with "2002/0012332", and insert therefor --2002/0012332 A1 1/2002 Tiedemann et al.--.

At section (56), OTHER PUBLICATIONS, page 3, right column, delete line 2, and insert therefor --cations Networks, Jun. 18, 1995--.

**MAILING ADDRESS OF SENDER (Please do not use customer number below):**

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17th Street  
Philadelphia, PA 19103

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 5

PATENT NO. : 7,496,072  
 APPLICATION NO.: 09/997,733  
 ISSUE DATE : February 24, 2009  
 INVENTOR(S) : James A. Proctor Jr.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At section (56), OTHER PUBLICATIONS, page 3, right column, delete line beginning with  
 “#531-981-20814-95C” and insert therefor  
 --#531-981-20814-95C , part 2 on 3GPP2 website (<ftp://ftp.3gpp2.org/-->).

At section (56), OTHER PUBLICATIONS, page 4, at bottom of left column, insert  
 --Attachment 2, High Speed Data RLP Lucent Technologies, Version 0.1, January 16, 1997.  
 Azad et al., Multirate Spread Spectrum Direct Sequence CDMA Techniques, 1994, The Institute of  
 Electrical Engineers.  
 Data Service Options for Wideband Spread Spectrum Systems. TIA/EIA Interim Standard.  
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 Ejzak, et al. Proposal for High Speed Packet Data Service, Version 0.1. Lucent Technologies, January  
 16, 1997.  
 Heine, Gunnar, “The Air-Interface of GSM”, in GSM Networks: Protocols, Terminology, and  
 Implementation, (MA: Artech House, Inc.), pp. 89-100 (1999).  
 Honkasalo, Harri. High Speed Data Air Interface. 1996.  
 Introduction to cdma2000 Spread Spectrum Systems, Release C. TIA/EIA Interim Standard.  
 TIA/EIA/IS-2000.1-C. May, 2002.

### MAILING ADDRESS OF SENDER (Please do not use customer number below):

Volpe and Koenig, P.C.  
 United Plaza, Suite 1600  
 30 South 17th Street  
 Philadelphia, PA 19103

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

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Knisely, Douglas, N. Telecommunications Industry Association Subcommittee TR-45.5 - Wideband Spread Spectrum Digital Technologies Standards. Banff, Alberta. February 24, 1997 (TR45.5/97.02.24) 21.

Knisely, Douglas, N. Telecommunications Industry Association Subcommittee TR-45.5 - Wideband Spread Spectrum Digital Technologies Standards, Working Group III-Physical Layer. Banff, Alberta. February 24, 1997 (TR45.5/97.02.24)22.

Melanchuk et al.. CDPD and Emerging Digital Cellular Systems, Digest of Papers of COMPCN, Computer Society Conference 1996, Santa Clara, CA, no. CONF. 41, February 25, 1996, pp. 2-8, XP000628458.

Motorola, Version 1.0. Motorola High Speed Data Air Interface Proposal Comparisons and Recommendations. January 27, 1997.

MSC-BS Interface (A-Interface) for Public 800 MHz. TIA/EIA/IS-634-A. TIA/EIA Interim Standard (Revision of TIA/EIA/IS-634) July 1998.

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PATENT NO. : 7,496,072  
APPLICATION NO.: 09/997,733  
ISSUE DATE : February 24, 2009  
INVENTOR(S) : James A. Proctor Jr.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Analysis," IEEE Transactions On Communications, XP000297814, 40 (4): 773-782 (Apr. 1997).  
Simpson, W. (Editor). "RFC 1661 - The Point-to-Point Protocol (PPP)." Network Working Group, July 1994, pgs. 1-35. <http://www.faqs.org/rfcs/rfc1661.html>.  
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Support for 14.4 kbps Data Rate and PCS Interaction for Wideband Spread Spectrum Cellular Systems. TSB74, December 1995. TIA/EIA Telecommunications Systems Bulletin.  
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Telecommunications Industry Association Meeting Summary. Task Group I, Working Group III, Subcommittee TR45.5. January 6-8, 1997. Newport Beach, California.  
Upper Layer (Layer 3) Signaling Standard for cdma2000 Spread Spectrum Systems, Release C. TIA/EIA Interim Standard. TIA/EIA/IS-2000.5-C. May, 2002.  
[WWW.CDG.ORG/NEWS/PRESS/1997.ASP](http://WWW.CDG.ORG/NEWS/PRESS/1997.ASP). CDA Press Release Archive, 1997.--.

**IN THE SPECIFICATION**

At column 2, line 21, after the word "Access" delete "(EDNA)" and insert therefor --(FDMA)--.

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**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**Page 5 of 5

PATENT NO. : 7,496,072

APPLICATION NO.: 09/997,733

ISSUE DATE : February 24, 2009

INVENTOR(S) : James A. Proctor Jr.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 3, delete lines 5-13, and insert therefor --In addition, the existing CDMA system requires certain operations before a channel can be used. Both access and traffic channels are modulated by so-called long code pseudonoise (PN) sequences; therefore, in order for the receiver to work properly it must first be synchronized with the transmitter. The setting up and tearing down of channels therefore requires overhead to perform such synchronization. This overhead results in a noticeable delay to the user of the subscriber unit.--.

At column 5, line 57, after the word "standard" delete "ISON" and insert therefor --ISDN--.

At column 6, line 58, before the word "these" delete "bands" and insert therefor --band--.

At column 9, line 47, after "400," delete "to" and insert therefor --or--.

**IN THE CLAIMS**

At claim 1, column 10, line 17, before the words "at least" insert --control--.

At claim 6, column 10, line 50, before the words "no data" delete "there is".

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